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National Toxicology Program; Chemicals (8) Nominated for Toxicological Studies; Request for Comments

SUMMARY: On September 16, 1986, the Chemical Evaluation Committee (CEC) of the **National Toxicology Program** (NTP) met to review eight chemicals nominated for toxicology studies and to recommend the types of studies to be performed. With this notice, the NTP solicits public comments on the eight chemicals listed herein.

FOR FURTHER INFORMATION CONTACT: Dr. Victor A. Fung, Chemical Selection Coordinator, **National Toxicology Program**, Room 2B55, Building 31, National Institutes of Health, Bethesda, Maryland 20892, (301) 496-3611.

TEXT: SUPPLEMENTARY INFORMATION: As part of the chemical selection process of the National Toxicology Program, nominated chemicals which have been reviewed by the NTP Chemical Evaluation Committee (CEC) are published with request for comment in the Federal Register. This is done to encourage active participation in the NTP chemical evaluation process, thereby helping the NTP to make more informed decisions as to whether to select, defer or reject chemicals for toxicology study. Comments and data submitted in response to this request are reviewed and summarized by NTP technical staff, are forwarded to the NTP Board of Scientific Counselors for use in their evaluation of the nominated chemicals, and then to the NTP Executive Committee for its decision-making. The NTP chemical selection process is summarized in the Federal Register, April 14, 1981 (46 FR 21828), and also in the NTP FY 1985 *Annual Plan*, pages 201-202.

On September 16, 1986, the CEC met to evaluate eight chemicals nominated to the NTP for toxicological studies. The following table lists the chemicals, their Chemical Abstract Service (CAS) registry numbers, and the types of toxicological studies recommended by the CEC at the meeting.

Chemical	CAS No.	Committee recommendation(s)
1. Chlordiazepoxide	58-25-3	No testing.
2. Clorazepate	23887-31-2	No testing.
3. Diazepam	439-14-5	-- Carcinogenicity in mice
		-- Prechronic studies should include sperm morphology testing.
4. Flurazepam	17617-23-1	-- Carcinogenicity in mice and rats
		-- Prechronic studies should include sperm morphology testing
		-- Fertility assessment by continuous breeding studies
		-- Teratology studies
5. Oxazepam	604-75-1	-- Carcinogenicity in mice
		-- Prechronic studies should include sperm morphology testing
		-- Fertility assessment by continuous breeding.
6. o-Aminophenol	99-55-6	No Testing.
7. p-Aminophenol	123-30-8	No Testing.
8. Chlorinated paraffins (C 12, 60% chlorine)	63449-39-8	Defer, pending EPA evaluation of submitted studies on the <i>in vitro</i> absorption of the chemical through human skin.

Of the eight chemicals, four have been previously selected for toxicology study by the NTP. Diazepam has been selected for testing in the *Salmonella* microsomal assay and is currently on test for chromosomal aberrations and sister chromatid exchanges in Chinese hamster ovary cells *in vitro*. o-Aminophenol was mutagenic in the *Salmonella* microsomal assay but did not induce sex-linked recessive lethal mutations in *Drosophila*. p-Aminophenol was nonmutagenic in the *Salmonella* microsomal assay. Chlorinated paraffins (C 12 , 60% chlorine) was nonmutagenic in the *Salmonella* microsomal assay. In an NTP gavage carcinogenicity study there was clear evidence for carcinogenicity for chlorinated paraffins (C 12 , 60% chlorine) in both sexes of F-344/N rats and B6C3F 1 mice.

Interested parties are requested to submit pertinent information. The following types of data are particular relevance:

- (1) Modes of production, present production levels, and occupational exposure potential.
- (2) Uses and resulting exposure levels, where known.
- (3) Completed, ongoing and/or planned toxicologic testing in the private sector including detailed experimental protocols and results in the case of completed studies.
- (4) Results of toxicological studies of structurally related compounds.

Please submit all information in writing by November 10, 1986. Any submissions received after the above date will be accepted and utilized where possible.

Dated: Oct. 6, 1986.

David P. Rall,

Director, National Toxicology Program.
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